

TSD File Inventory Index

Date: January 15, 2002

Initial: CMG/rev

Facility Name: <u>Algo Chemical, Inc.</u>			
Facility Identification Number: <u>LD 000 805 705</u>			
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Note: Transmittal Letter to Be Included with Reports.
Comments: _____

15 JAN 1988

Mr. Charles Plank
Akzo Chemie America-Research
8401 West 47th Street
McCook, Illinois 60525

Re: Land Disposal Restrictions
Akzo Chemie America-Research
ILD 000 805 705

Dear Mr. Plank:

On June 8, 1987, the Illinois Environmental Protection Agency (IEPA), representing the U.S. Environmental Protection Agency (U.S. EPA), conducted a Resource Conservation and Recovery Act (RCRA) inspection of the above-referenced facility. The purpose of the inspection was to determine the compliance status of your facility with respect to the applicable hazardous waste management requirements of RCRA, including the Land Disposal Restrictions of certain spent solvents. The land disposal restrictions became effective on November 8, 1986; (reference 51 Federal Register 40636: 40 CFR Part 268, and revisions to 40 CFR Parts 260-265 and 270).

With respect to the land disposal requirements section of the inspection, your facility was found to be in compliance with the requirements. A copy of the inspection report is enclosed for your records.

If you have any questions regarding this correspondence, please contact Sharon Travis of my staff at (312) 886-6533.

Sincerely yours,

ORIGINAL SIGNED BY
WILLIAM E. MUNO

William E. Muno, Chief
RCRA Enforcement Section

Enclosure

cc: Harry Chappel, IEPA
Glenn Savage, IEPA

bcc: Paul Dimock

5HE-12:STRAVIS:or:1/11/88:

SHARON DISK #3 Document 8

CONCURRENCES							
SYMBOL	EP411	dot	ST	ap	VEN		
SURNAME	O.R.		for		1/14/88		
DATE	1/13/88	1-13-88	PD 1/14/88	1-14-88			



217/782-6762

Refer to: 0311740009 -- Cook County
McCook/Akzo Chemie America
ILD000805705
RCRA General

May 5, 1987

Karl E. Bremer, Chief
Technical Program Section
U.S. Environmental Protection Agency
Region V
230 South Dearborn
Chicago, Illinois 60604

RECEIVED

MAY 11 1987

SWD - RUC
U.S. EPA, REGION V

Dear Mr. Bremer:

Enclosed you will find the following:

1. The Initial Screening for Environmental Significance form for the above referenced facility.
2. A copy of the Preliminary Assessment (EPA Form 2070-12) for the above referenced facility.
3. A copy of the Certification Regarding Potential Releases from Solid Waste Management Units for the above referenced facility and/or the reply the Agency received in response to our request for information regarding the above.

The following form(s) were not on file at the IEPA for this facility:

5. Notification of Hazardous Waste Site (EPA Form 8900-1).

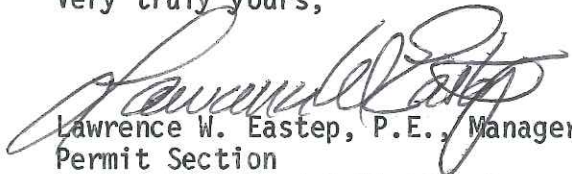
Based upon a review of the information available on the above referenced facility, the Agency has determined that this facility is not environmentally significant and that a Facility Management Plan should not be prepared. Please let us know if you do not agree with this determination.



Page 2

If you have any questions regarding this initial screening, please contact Eugene W. dingleline of my staff at 217/785-2892.

Very truly yours,


Lawrence W. Eastep, P.E., Manager
Permit Section
Division of Land Pollution Control

LWE:EWD:rmi/2450g/18-19

Enclosure

cc: Division File
USEPA Region V -- Mary Murphy
FOS Northern Region



Research

8401 W. 47th Street
McCook, Illinois 60525
312/442-7100
Twx 910 259 1770
Answer back: Armak Res Mock

November 26, 1986

RECEIVED
DEC 1 - 1986
U.S. EPA, REGION V
WASTE MANAGEMENT DIVISION
HAZARDOUS WASTE ENFORCEMENT GROUP

Environmental Protection Agency
Region V
230 South Dearborn
Chicago, IL 60640

Gentlemen:

Enclosed is an Environmental Incident Report which should satisfy the reporting requirements of 40CFR Subpart D Chapter 265.56 (RCRA).

We implemented our Contingency Plan by evacuating the building.

If you have further questions on this matter, please do not hesitate to contact me.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Charles Plank', written in dark ink.

Charles Plank
Environmental Engineer

CP/sla

Enclosure

cc: Illinois EPA
J. Bubash
J. Fuller
D. Frank
J. K. M. Day
L. Metcalfe
C. Madlock
E. Bisinger
M. Tehrani
J. Reavley
J. Richmond
G. Rotter

Environmental Incident Report

I. Operator of Facility

Dr. Dieter Frank
Vice President, Research
Akzo Chemie America
Research Laboratory
8401 W. 47th Street
McCook, IL 60525

(312) 442-7100 ext. 201

II. Facility

Akzo Chemie America
Research Laboratory
8401 W. 47th Street
McCook, IL 60525

(312) 442-7100

III. Date, Time, and Type of Incident

Date: 11/14/86
Time: 1015
Type of Incident: Vapor release

IV. Identity and amount of materials involved.

Name: Diethylamine

Amount: Less than 5 pounds

V. Injuries

None

VI. Assessment of Potential Hazards

The Reportable Quantity for diethylamine is 100 lbs. The amount released was determined to be less than 5 lbs. Since the amount released was less than the reportable quantity, no potential hazard to the community or the environment was anticipated.

VII. Other reports

None were required since the amount of the release was not a Reportable Quantity.

VIII. Record of spill control and counter measures taken.

The building was evacuated because of the odor. Diethylamine has a strong ammoniacol odor. This action caused our Contingency Plant to be activated.

The contents of the reactor was collected in a 55 gallon drum and reused. Splatters were cleaned up and disposed of as solid waste.

The vapors were removed from the building by forced ventilation before personnel were allowed to re-enter.



Research

8401 W. 47th Street
McCook, Illinois 60525
312/442-7100
Twx 910 259 1770
Answer back: Arma Res Mck

November 3, 1986

ILD 000805 705

Environmental Protection Agency
Region V
230 South Dearborn
Chicago, IL 60640

Gentlemen:

Enclosed is an Environmental Incident Report which should satisfy the reporting requirements of 40CFR Subpart D Chapter 265.56 (RCRA).

We implemented our Contingency Plan by evacuating the building.

If you have further questions on this matter, please do not hesitate to contact me.

Sincerely,

Charles Plank
Environmental Engineer

CP/sla

Enclosure

cc: Illinois EPA
J. Bubash
J. Fuller
D. Frank
J. K. M. Day
L. Metcalfe
C. Madlock
E. Bisinger
M. Tehrani
J. Reavley
J. Richmond
G. Rotter

RECEIVED
NOV 10 1986

NOV 10 1986

U.S. EPA, REGION V

U.S. EPA, REGION V
WASTE MANAGEMENT DIVISION
HAZARDOUS WASTE ENFORCEMENT GROUP

SOLID WASTE DIVISION
U.S. EPA, REGION V

NOV 18 1986

RECEIVED

Environmental Incident Report

I. Operator of Facility

Dr. Dieter Frank
Vice President, Research
Akzo Chemie America
Research Laboratory
8401 W. 47th Street
McCook, IL 60525

(312) 442-7100 ext. 201

II. Facility

Akzo Chemie America
Research Laboratory
8401 W. 47th Street
McCook, IL 60525

(312) 442-7100

III. Date, Time, and Type of Incident

Date: 10/22/86
Time: 1400
Type of Incident: Vapor and/or solid aerosol release

IV. Identity and amount of materials involved.

Name: The material released was either 1,4 cyclohexane diisocyanate, paraphenylene diisocyanate or a combination of both.

Amount: Approximately 0.1 lbs

V. Injuries

1 case of eye irritation
1 case of skin irritation
2 cases of nausea and vomiting as well as eye irritation

VI. Assessment of Potential Hazards

Neither of these two compounds have a Regulated Reportable Quantity. Because the operation causing the release (sandblasting) was immediately terminated, no potential hazard to the community or the environment was anticipated.

VII. Other reports

None were required since the substance(s) have no Reportable Quantity.

VIII. Record of spill control and counter measures taken.

The building had to be evacuated. This action caused our Contingency Plan to be activated.

While the evacuation was underway the sand blasting operation was terminated.

The vapors/aerosol were removed from the building by forced ventilation before personnel were allowed to re-enter.



1LD 000805 705

Research

8401 W. 47th Street
McCook, Illinois 60525
312/442-7100
Twx 910 259 1770
Answer back: Armak Res Mock

August 15, 1986

Environmental Protection Agency
Region V
230 South Dearborn
Chicago, IL 60640

Gentlemen:

Enclosed is an Environmental Incident Report which should satisfy the reporting requirements of 40CFR Subpart D Chapter 265.56 (RCRA).

We implemented our Contingency Plan by evacuating the building.

If you have further questions on this matter, please do not hesitate to contact me.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Charles Plank', written over a circular stamp.

Charles Plank
Environmental Engineer

CP/sla

Enclosure

cc: Illinois EPA
J. Bubash
J. Fuller
D. Frank
J. K. M. Day
L. Metcalfe
C. Madlock
E. Bisinger
M. Tehrani
J. Reavley
J. Richmond
G. Rotter

RECEIVED

AUG 26 1986

U.S. EPA, REGION V
WASTE MANAGEMENT DIVISION
HAZARDOUS WASTE ENFORCEMENT BRANCH

Environmental Incident Report

I. Operator of Facility

Dr. Dieter Frank
Vice President, Research
Akzo Chemie America
Research Laboratory
8401 W. 47th Street
McCook, IL 60525

(312) 442-7100 ext 201

II. Facility

Akzo Chemie America
Research Laboratory
8401 W. 47th Street
McCook, IL 60525

(312) 442-7100

III. Date, Time, and Type of Incident

Date: 8/11/86
Time: 1000 and 1330
Type of Incident: Gas Release

IV. Identity and Amount of Materials Involved

Name: Chlorine Gas
Amount: Approximately 2 pounds total

V. Injuries

None

VI. Assessment of Potential Hazards

The total amount of chlorine involved was less than the Reportable Quantity (10 lbs). Since the Reportable Quantity limit was not reached, no potential hazard to the community or the environment was anticipated.

VII. Other Reports

None were required since the release was less than the Reportable Quantity.

VIII. Record of Spill Control and Countermeasures Taken

The building had to be evacuated. This action caused our Contingency Plan to be activated.

The gas was removed from the building by forced ventilation before personnel were allowed to reenter.



Research

8401 W. 47th Street
McCook, Illinois 60525
312/442-7100
Twx 910 259 1770
Answer back: Armak Res Mock

December 18, 1984

US Environmental Protection Agency
Region 5 Office
230 S. Dearborn Street
Chicago, IL 60604

Attn: Regional Administrator

Dear Sir:

Enclosed is an Environmental Incident Report which should satisfy all reporting requirements under RCRA, Subpart D of Part 265. This report is being submitted because our RCRA Contingency Plan was partially activated.

Sincerely yours,

L. D. Metcalfe
Assistant Director of Research
Primary Emergency Coordinator

LDM/sla

cc: D. Frank
C. Madlock
W. Leja
E. Bisinger
N. Nuding
J. McVaugh
G. Rotter

RECEIVED

DEC 20 1984

U.S. EPA, REGION V
WASTE MANAGEMENT DIVISION
OFFICE OF THE DIRECTOR

ILD 0008057056, TSD, PA

RECEIVED

DEC 21 1984

WMD-RAIU
EPA, REGION V

Environmental Incident Report

I. Owner of Facility

Akzo Chemie America
300 S. Wacker Drive
Chicago, IL 60606

(312) 785-0400

II. Facility

Research Laboratory
Akzo Chemie America
8401 W. 47th Street
McCook, IL 60525

III. Date, Time and Type of Incident

Date: December 5, 1984
Time: 0745 hours (am)
Type of Incident: gas leak or spill

IV. Material and Quantity Involved

Material: Chlorine
Quantity: Less than 5 pounds

V. Extent of Injuries

None

IV. Assessment of Potential Hazards

Leak was mainly confined to pilot plant area and laboratory property. Odor downwind of laboratory equivalent to swimming pool odor. After one hour analysis using Drager analyzer, no chlorine could be detected at low PPM levels downwind of laboratory.

VIII Estimated Quantity and Disposition of Recovered Materials

A chlorination vessel contained an estimated 44 pounds of chlorine gas dissolved in water when a leak began the vessel was immediately depressurized to a scrubber which converted almost all of the vented gas into sodium chloride. A small quantity, less than 5 pounds was estimated to have leaked into the room. Some of the leaked gas was pulled into another scrubber which is designed to remove fumes from the work area. The rest of the leaked gas diffused out of the building over about one hour.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: February 19, 1981

SUBJ: Report of ISS inspection on

FROM: Eugene Meyer

TO: Jay S. Goldstein, Chief
Hazardous Waste Management Section

Company: Armak Industrial Chemical Company

Participants: None

Objective: To review facility with respect to compliance with the generator and storage regulations.

Site description:
Large chemical company with many different types of research projects on-going

Other information:

The facility did not have a contingency plan, a waste analysis plan could not be produced, and "no smoking" signs were not posted. See also the attached letter, which tends to contradict these statements. Mr. Reavley did not seem to know much about the overall system of regulations, and he was supposedly the person in charge.

Conclusions & recommendations

ILD000875705
EPA IDENTIFICATION NUMBER

RCRA INSPECTION REPORT - INTERIM STATUS STANDARDS
Form 2 - Generator Inspection

I. General Information:

(A) Installation Name: Arnak Industrial Chemical
(B) Street: 8401 West 47th St.
(C) City: Mc Cook (D) State: Illinois (E) Zip Code: 60525
(F) Phone: (312) 442-7100 (G) County: Cook
(H) Operator: Same
(I) Street: _____
(J) City: _____ (K) State: _____ (L) Zip Code: _____
(M) Phone: _____ (N) County: _____
(O) Owner: Same
(P) Street: _____
(Q) City: _____ (R) State: _____ (S) Zip Code: _____
(T) Phone: _____ (U) County: _____
____ Federal _____ Municipal ☒ Private
(V) Type of Ownership: _____ State _____ County
(W) Date of Inspection: 12/10/80 Time of Inspection (From) 1:00 (To) 2:45
(X) Weather Conditions: Fair, cold

(Y) Person(s) Interviewed

Title

Telephone

J. B. Reanley

Manager of Ad-
ministration

(312) 442-7100

(Z) Inspection Participants

Title

Telephone

Eugene Meyer

Chemist

886-6147

II. OTHER TYPE OF HAZARDOUS WASTE ACTIVITY

(A) ☐ Transporter (Form 3)

(B) ☐ Chemical, Physical and
Biological Treatment (Form 4)

(C) ☒ Storage (Form 5)

(D) ☐ Landfill (Form 6)

(E) ☐ Incineration (Form 7)

(F) ☐ Thermal Treatment (Form 7)

(G) Comments: _____

Supplemental forms (Listed in Parathesis) must be completed for each activity inspected. Attach all Supplemental forms to this report.

III. MANIFEST

	Yes	No	Not Inspected	See Remark Number
(A) Are copies of the Manifest available?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
(B) Does the Manifest contain the following information:				
1. Manifest document number?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
2. Name, mailing address, telephone number, and EPA ID Number of Generator?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
3. Name and EPA ID Number of Transporter(s)?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
4. Name, Address, and EPA ID Number of Designated permitted facility and alternate facility?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
5. The description of the waste(s) (DOT shipping name, DOT hazard class, DOT identification number)?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
6. The total quantity of waste(s) and the type and number of containers loaded?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
7. Required Certification?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
8. Required Signatures?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
(C) Does the Owner or Operator Submit Exception Reports when Needed?	<u> </u>	<u> </u>	<u> </u>	<u> </u>

IV. PRE-TRANSPORT REQUIREMENTS

(A) Is Generator Packaging waste in accordance with DOT Regulations?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
(B) Are waste packages marked and labeled in accordance with DOT Regulations concerning hazardous waste materials?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
(C) If required, are placards available to transporter?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>

Yes

No

Not
InspectedSee Remark
Number

c) Pre-shipment Accumulation:

1. Are containers marked with start of accumulation date?
2. Are the containers of hazardous waste removed from installation before they can accumulate for more than 90 days?
3. Are wastes stored in containers managed in accordance with 40 CFR Part 265.174 and 265.176 (weekly inspections of containers, containers holding ignitable or reactive wastes located at least 15 meters (50 Feet) from facility's property line)?
4. Are wastes stored in tanks managed according to the following:
 - a. Are tanks used to store only those wastes which will not cause corrosion leakage or premature failure of the tank?
 - b. Do uncovered tanks have at least 60 cm (2 feet) of freeboard, or dikes or other containment structures?
 - c. Do continuous feed systems have a waste-feed cutoff?
 - d. Are required daily and weekly inspections done?
 - e. Are reactive & ignitable wastes in tanks protected or rendered non-reactive or non-ignitable? (If waste is rendered non-reactive or non-ignitable, see treatment requirements?)
 - f. Are incompatible wastes stored in separate tanks? (If not, the provisions of 40 CFR §265.17(b) apply)

XXXNot applicable

Yes

No

Not

Inspected

See Remark

Number

5. If hazardous wastes accumulate on site, does the generator follow the following general facility standards?

IX General Facility Standards

If Generator is also a TSD, omit section IX

Do Personnel training records include:

1. Job Titles?

2. Description of Training?

3. Records of Training?

Is Personnel Training Completed within the Required Time Frame?

B. Preparedness and Prevention

1. Maintenance and Operation of Facility:

a. Is there any evidence of fire, explosion, or release of hazardous waste or hazardous waste constituent?

2. Does the Facility have the following equipment?

a. Alarm system?

b. Telephone or 2-Way Radios?

c. Portable fire extinguishers, fire control, spill control equipment and decontamination equipment?

Indicate the volume of water and/or foam available for fire control

Units:

8" line from plant @ 130 gpm

3. Testing and Maintenance of Emergency Equipment:

a. Has the Owner or Operator established testing and Maintenance Procedures for Emergency Equipment?

b. Is emergency equipment Maintained in Operable Condition?

	Yes	No	Not Inspected	See Remark Number
4. Has Owner/Operator Provided Immediate Access to Internal Alarms (if needed)?	_____	_____	_____	_____
5. Is there adequate Aisle Space for unobstructed Movement?	_____	_____	_____	_____
6. Are arrangements with local authorities included in the operating record?	_____	_____	_____	_____

(C) Contingency Plan and Emergency Procedure

1. Does the contingency plan contain the following:

a. The actions facility personnel must take to comply with §264.51 and 261.56 in response to fires, explosions, or any unplanned release of hazardous waste? (If the owner has a Spill Prevention, Control and Countermeasures (SPCC) Plan, he needs only to amend that plan to incorporate hazardous waste management provisions that are sufficient to comply with the requirements of this Part)

b. Arrangements agreed to by local police departments, fire departments, hospitals, contractors, and State and local emergency response teams to coordinate emergency services, pursuant to §264.37?

c. Names, addresses, and Phone numbers (office and Home) of all persons qualified to act as emergency coordinator.

d. A list of all emergency equipment at the facility which include the location and physical description of each item on the list, and a brief outline of its capabilities?

e. An evacuation plan for facility personnel where there is a possibility that evacuation could be necessary? (This plan must describe signal(s) to be used to begin evacuation, evacuation routes and alternate evacuation routes.

	Yes	No	Not Inspected	See Remark Number
2. Are copies of the Contingency Plan available at site and local Emergency Organizations?	_____	_____	_____	_____
3. Emergency Coordinator				
a. Is the Facility Emergency Coordinator Identified?	_____	_____	_____	_____
b. Is Coordinator Familiar with all aspects of site operation and Emergency Procedures?	_____	_____	_____	_____
c. Does the Emergency Coordinator have the authority to carry out the Contingency Plan?	_____	_____	_____	_____
4. Emergency Procedures				
If an Emergency Situation has occurred at this facility; has the Emergency Coordinator followed the Emergency Procedures listed in §256.56?	_____	_____	_____	_____

VI. RECORDKEEPING

- (A) Are Manifests, Annual Reports, Exception Reports, and All Test Results and Analyses Retained for at least three years?

VII. INTERNATIONAL SHIPMENTS

- (A) Has the Installation Imported or Exported Hazardous Waste?

(If A was answered Yes, then complete one or both of the following)

1. Exporting Hazardous waste, has a generator:
- a. Notified the Administrator in writing?
- b. Obtained the Signature of the foreign consignee confirming delivery of the waste(s) in the foreign country?

Yes

No

Not
InspectedSee Remark
Number

c. Met the Manifest requirements? _____

2. Importing Hazardous Waste,
has the generator:

a. Met the manifest requirements? _____

VIII. PREPARER INFORMATIONName: Eugene MeyerTitle: ChemistPhone Number: 886-6147

REMARKS: _____

RCRA INSPECTION REPORT - INTERIM STATUS STANDARDS
TREATMENT, STORAGE, AND DISPOSAL FACILITIES
Form 1 - General Facility Standards

I. General Information:

(A) Facility Name: Armak Industrial Chemical Co.
(B) Street: 8401 West 47th St.
(C) City: Mc Cook (D) State: Illinois (E) Zip Code: 60525
(F) Phone: (312) 442-7100 (G) County: Cook
(H) Operator: Armak Industrial Chemical
(I) Street: 8401 West 47th St.
(J) City: Mc Cook (K) State: Illinois (L) Zip Code: 60525
(M) Phone: (312) 442-7100 (N) County: Cook
(O) Owner: Armak Industrial Chemical Corp.
(P) Street: 8401 West 47th St.
(Q) City: Mc Cook (R) State: Ill (S) Zip Code: 60525
(T) Phone: (312) 442-7100 (U) County: Cook
(V) Type of Ownership: ☐ Federal ☐ Municipal ☒ Private
☐ State ☐ County
(W) Date of Inspection: 12/10/80 (Q) Time of Inspection (From) 1:00 (To) 2:45
(X) Weather Conditions: Fair, cold

Person(s) Interviewed	Title	Telephone
<u>J. B. Reavley</u>	<u>Manager of Admin-</u>	<u>(312) 442-7100</u>
	<u>istration</u>	
(Z) Inspection Participants	Title	Telephone
<u>Eugene Meyer</u>	<u>Chemist</u>	<u>886-6147</u>

II. Description of Site Activity

- | | |
|---|--|
| (A) <input checked="" type="checkbox"/> Generator (Form 2) | (B) <input checked="" type="checkbox"/> Transporter (Form 3) |
| (C) <input type="checkbox"/> Chemical, Physical and Biological Treatment (Form 4) | (D) <input checked="" type="checkbox"/> Storage (Form 5) |
| (E) <input type="checkbox"/> Landfill (Form 6) | (F) <input type="checkbox"/> Incineration (Form 7) |
| (G) <input type="checkbox"/> Land Treatment (Form 4) | (H) <input type="checkbox"/> Thermal Treatment (Form 7) |

(I) Comments: _____

Supplemental forms (Listed in Parathesis) must be completed for each activity inspected. Attach all Supplemental forms to this report.

	Yes	No	Not Inspected	See Remark Number
(J) Has this facility Submitted a Part A Permit Application?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

III. GENERAL FACILITY STANDARDS

	Yes	No	Not Inspected	See Remark Number
A) Has the Regional Administrator been notified regarding:				
1. Receipt of hazardous waste from a foreign source?	_____	<u>X</u>	_____	_____
2. Transfer of Ownership?	_____	<u>X</u>	_____	_____
B) General Waste Analysis:				
1. Has the owner ^{or} operator obtained a detailed chemical and physical analysis of the waste?	_____	<u>X</u>	_____	_____
2. Does the owner ^{or} operator have a detailed waste analysis plan on file at the facility?	_____	<u>X</u>	_____	_____
3. Does the waste analysis plan specify procedures for inspection and analysis of each movement of hazardous waste from off-site?	_____	<u>X</u>	_____	_____
C) Security - Do security measures include:				
1. 24-Hour Surveillance?	<u>X</u>	_____	_____	_____
2. Artificial or Natural Barrier Around Facility?	<u>X</u>	_____	_____	_____
3. Controlled Entry?	<u>X</u>	_____	_____	_____
4. Danger Sign(s) at Entrance?	<u>X</u>	_____	_____	_____
D) Do Owner ^{or} Operator Inspections Include:				
1. Records of Malfunctions?	_____	_____	_____	<u>1</u>
2. Records of Operator Error?	_____	_____	_____	<u>1</u>
3. Records of Discharges?	_____	_____	_____	<u>1</u>
4. Inspection Schedule?	_____	_____	_____	<u>1</u>
5. Safety, Emergency Equipment?	_____	_____	_____	<u>1</u>
6. Security Devices?	_____	_____	_____	<u>1</u>
7. Operating and Structural Devices?	_____	_____	_____	<u>1</u>
8. Inspection Log?	_____	_____	_____	<u>1</u>

Yes

No

Not
InspectedSee Remark
Number

(E) Do Personnel Training Records Include:

1. Job Titles?

X

2. Description of Training?

X

3. Records of Training?

X

Is Personnel Training Completed within the Required Time Frame?

X

(F) Are the Following Special Requirements for Ignitable, Reactive, or Incompatible Wastes Addressed?

1. Special Handling?

X

2. No Smoking Signs?

X

3. Separation and Confinement?

XIV. PREPAREDNESS AND PREVENTION

(A) Maintenance and Operation of Facility:

1. Is there any evidence of fire, Explosion, or release of hazardous waste or hazardous waste constituent?

X

(B) Does the Facility have the Following Equipment:

1. Alarm System?

X

2. Telephone or 2-Way Radios?

X

3. Portable fire extinguishers, fire control, spill control equipment and decontamination equipment?

X

Indicate the volume of water and/or foam available for fire control:

Units: _____

	Yes		Not Inspected	See Remark Number
(C) Testing and Maintenance of Emergency Equipment:				
1. Has the Owner or Operator established Testing and Maintenance Procedures for Emergency Equipment?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
2. Is Emergency Equipment Maintained in Operable Conditions?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
(D) Has Owner ^{or} Operator Provided Immediate Access to Internal Alarms (if needed)?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
(E) Is there Adequate Aisle Space for Unobstructed Movement?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
(F) Are Arrangements with Local Authorities Included in the Operating Record?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>

VI. CONTINGENCY PLAN AND EMERGENCY PROCEDURES

(A) Does the Contingency Plan Contain the Following Information:

1. The actions facility personnel must take to comply with §264.51 and 265.56 in response to fires, explosions, or any unplanned release of hazardous waste? (If the owner has a Spill Prevention, Control, and Counter-measures (SPCC) Plan, he needs only to amend that plan to incorporate hazardous waste management provisions that are sufficient to comply with the requirements of this Part.)
2. Arrangements agreed to by Local police departments, fire departments hospitals, contractors, and State and local emergency response teams to coordinate emergency services pursuant to §264.37?

<u> </u>	<u> </u>	<u> </u>	<u>1</u>
<u> </u>	<u> </u>	<u> </u>	<u>1</u>

	Yes	No	Not Inspected	See Remark Number
3. Names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinators?	<u> </u>	<u> </u>	<u> </u>	<u>1</u>
4. A list of all emergency equipment at the facility which includes the location and physical description of each item on the list and a brief outline of its capabilities?	<u> </u>	<u> </u>	<u> </u>	<u>1</u>
5. An evacuation plan for facility personnel where there is a possibility that evacuation could be necessary? (This plan must describe signal(s) to be used to begin evacuation, evacuation routes, and alternate evacuation routes:)	<u> </u>	<u> </u>	<u> </u>	<u>1</u>
(B) Are copies of Contingency Plan Available at Site and local Emergency Organizations?	<u> </u>	<u>X</u>	<u> </u>	<u> </u>
(C) Emergency Coordinator				
1. Is the facility Emergency Coordinator identified?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
2. Is Coordinator Familiar with all aspects of site operation and emergency procedures?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
3. Does the Emergency Coordinator have the authority to carry out the Contingency Plan?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
(D) Emergency Procedures				
If an Emergency Situation has occurred at this facility; has the Emergency Coordinator followed the Emergency procedures listed in 256.56?	<u> </u>	<u> </u>	<u>X</u>	<u> </u>

W.R.B.

VII. MANIFEST SYSTEM, RECORDKEEPING, AND REPORTING

	Yes	No	Not Inspected	See Remark Number
(A) Use of Manifest System				
1. Does the facility follow the procedures listed in §265.71 for processing each Manifest?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
2. Are records of past shipments retained for 3 years?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
(B) Does the owner or operator meet requirements regarding Manifest Discrepancies?	<u> </u>	<u> </u>	<u>X</u>	<u> </u>
(C) Operating Record				
Does the facility maintain an operating record at the site as required in §265.73?	<u> </u>	<u> </u>	<u>X</u>	<u> </u>
(D) Availability, Retention and Disposition of Records				
Are all records available at the site for inspection as required in §265.74?	<u> </u>	<u> </u>	<u>X</u>	<u> </u>

VIII. CLOSURE AND POST CLOSURE

(A) Closure and Post Closure	<i>Not applicable</i>			
1. Closure Plan Available for Inspection by May 19, 1981?	<u> </u>	<u> </u>	<u> </u>	<u> </u>
2. Has this plan been submitted to the Regional Administrator?	<u> </u>	<u> </u>	<u> </u>	<u> </u>
3. Has Closure begun?	<u> </u>	<u> </u>	<u> </u>	<u> </u>
4. Is closure cost estimate available by May 19, 1981?	<u> </u>	<u> </u>	<u> </u>	<u> </u>
(B) Post Closure Care and Use of Property				
- Has the Owner ^c Operator supplied a Post Closure Monitoring Plan (by May 19, 1981)?	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<i>1. In development</i>				

RCRA INSPECTION REPORT - INTERIM STATUS STANDARDS
SUPPLEMENTAL FORM 5 FOR STORAGE FACILITY INSPECTIONS

I. General Information

(A) Facility Name: Armak Industrial Chemical Co.
(B) Street: 8401 West 47th St.
(C) City: Mc Cook (D) State: Illinois (E) ZIP Code 60525
(F) Date of Inspection: (3/2) 4/2-7/00

II. Storage Facility Standards (Part 265)

A. Facilities which store containers of hazardous waste (Subpart I)				
	YES	NO	NOT IN- SPECTED	REMARK #
1. Are containers in good condition?	X			
2. Are containers compatible with waste in them?	X			
3. Are containers stored closed?	X			
4. Are containers managed to prevent leaks?	X			
5. Are containers inspected weekly for leaks and defects?	X			
6. Are ignitable & reactive wastes stored at least 15 meters (50 feet) from the facility property line?	Not applicable			
7. Are incompatible wastes stored in separate containers? (If not, the provisions of 40.CFR 265.17(b) apply.)	Not applicable			
8. Are containers of incompatible wastes separated or protected from each other physical barriers or sufficient distance?	Not applicable			
B. Facilities which store hazardous waste in tanks (Subpart J)				
1. Are tanks used to store only those wastes which will not cause corrosion, leakage or premature failure of the tank?	X			
2. Do uncovered tanks have at least 60 cm (2 feet) of freeboard, or dikes or other containment structures?	Not applicable			

Continued on next page

	YES	NO	NOT IN-SPECTED	REMARK #
3. Do continuous feed systems have a waste-feed cutoff?	X			
4. Are waste analyses done before the tanks are used to store a substantially different waste than before?				1
5. Are required daily and weekly inspections done?				
6. Are reactive & ignitable wastes in tanks protected or rendered non-reactive or non-ignitable? (If waste is rendered non-reactive or non-ignitable, see treatment requirements.)	Not applicable			
7. Are incompatible wastes stored in separate tanks? (If not, the provisions of 40 CFR 265.17(b) apply.)	"			

C. Facilities which store hazardous waste in surface impoundments (Subpart K)

1. Do surface impoundments have at least 60 cm (2 feet) of freeboard?				
2. Do earthen dikes have protective cover?				
3. Are waste analyses done when the impoundment is used to store a substantially different waste than before?				
4. Is the freeboard level inspected at least daily?				
5. Are the dikes inspected weekly for evidence of leaks or deterioration?				
6. Are reactive & ignitable wastes rendered non-reactive or non-ignitable before storage in a surface impoundment? (If waste is rendered non-reactive or non-ignitable, see treatment requirements.)				
7. Are incompatible wastes stored in different impoundments? (If not, the provisions of 40 CFR 265.17(b) apply.)				

D. Facilities which store hazardous waste in waste piles (Subpart L)

1. Are waste piles covered or protected from the wind?				
2. Is each in-coming movement of waste analyzed before being added to the waste pile?				
3. Are leachate, run-off, and run-on controlled? (The effective date of this provision is Nov. 19, 1981.)				
4. Are reactive & ignitable wastes rendered non-reactive or non-ignitable before storage in a pile? (If waste is rendered non-reactive or non-ignitable, see treatment requirements.)				

Continued on next page

	YES	NO	NOT IN-SPECTED	REMARK #
5. Are piles of reactive or ignitable waste protected?				
6. Are incompatible wastes stored in different piles? (If not, the provisions of 40 CFR 265.17(b) apply.)				
7. Are piles of incompatible waste protected by barriers or distance from other waste?				

1. Always store the same type of waste.
- ~~2. Some waste may be stored in drums.~~

RECEIVED

DEC 30 1980

WASTE
29 DEC 1980
MANAGEMENT BRANCH
EPA REGION V

J.S. Reasley, Manager
Arnak Industrial Chemical Company
2401 West 47th Street
McCook, Illinois 60025

RE: Arnak Industrial Chemical Co.
McCook, Illinois
IL/2300073706

Dear Mr. Reasley:

Representatives of the United States Environmental Protection Agency
(U.S. EPA) inspected your facility on December 18, 1980. This report is
forwarded for your information.

If you have any questions concerning this inspection report, please con-
tact Mr. Philip Kaplan of the Water & Hazardous Materials Compliance
Section at (312) 353-2114.

Very truly yours,

Original Signed by: Arnold E. Leder

Arnold E. Leder
Chief, Compliance Section
Water & Hazardous Materials
Enforcement Branch

Enclosure

cc: Michael P. Heury, Director
Illinois Environmental Protection Agency

bcc: Constantelos
Cho
Baumgartner
Kaplan